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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/552,845	07/17/2006	Jean-Pierre Tretout	15675P584	2597
8791 7590 10/20/2008 BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP 1279 OAKMEAD PARKWAY SUNDNYMALE, CA 04095, 4040			EXAMINER	
			EIDE, HEIDI MARIE	
SUNNYVALE, CA 94085-4040		ART UNIT	PAPER NUMBER	
			3732	
			MAIL DATE	DELIVERY MODE
			10/20/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)					
Office Action Comments	10/552,845	TRETOUT, JEAN-PIERRE					
Office Action Summary	Examiner	Art Unit					
	Heidi M. Eide	3732					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on 10 Ju	lv 2008						
	action is non-final.						
<i>,</i> —	, _						
•	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
closed in accordance with the practice under L.	x parte Quayle, 1955 C.D. 11, 40	0.0.210.					
Disposition of Claims							
4)⊠ Claim(s) <u>1-14</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6) Claim(s) <u>1-14</u> is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or	election requirement.						
Application Papers							
9) The specification is objected to by the Examiner	·.						
10)⊠ The drawing(s) filed on <u>10 July 2008</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.							
Applicant may not request that any objection to the o							
Replacement drawing sheet(s) including the correcti		• •					
	• • • • • • • • • • • • • • • • • • • •	• •					
11) Ine oath or declaration is objected to by the Ex	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
 Certified copies of the priority documents 	1. Certified copies of the priority documents have been received.						
Certified copies of the priority documents	2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
200 the attached detailed office detail for a list of the certified copies flot received.							
Attachment(s)							
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)							
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 4. Paper No(s)/Mail Date 5. Notice of Informal Patent Application							
Paper No(s)/Mail Date 6) Other:							
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DETAILED ACTION

Drawings

1. The drawings were received on July 10, 2008. These drawings are accepted.

Claim Rejections - 35 USC § 112

- 2. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 3. Claims 4-5 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 4 recites the limitation "the screen" in line 5. There is insufficient antecedent basis for this limitation in the claim. Claim 5 recites the limitation "the global shade" in line 5 and the limitation "these points" on line 4. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 1-14 rejected under 35 U.S.C. 103(a) as being unpatentable over Jung et al. 2001/0030748 in view of Lehmann 6,358,047.
- 6. Jung teaches a device for automatically determining the shade of an object, including a light source, a light sensor positioned so as to sample an area of the object, light reflected or passing through the object further comprising means for wavelength

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analysis on this light after reflection or passing through the object, these means delivering a spectrometric reading corresponding to the sampling area, characterized in that the analysis means are provided for analyzing a set of such spectrometric reading corresponding to different areas of the object. Jung further teaches the device characterized in that it comprises means provided for automatically displacing the light sampling area over an extend area of the surface object, and that the device is provided for sampling light in a plurality of points over a surface having a relief, such as a tooth, and the device further including a camera and means for displaying an image of the object as sampled by the camera, as well as means for plotting on this image a series of shade sampled at the series of sampling points at their corresponding locations on the object displayed in the screen. Jung further teaches the device characterized in that it include means for displacing a spectrometric sensor along a sampling line extending over the object. Jung teaches the method of using the device as discussed above including the steps of illuminating the object, sampling the light after reflection of the object, analyzing the wavelength of the light after reflection to establish a spectrometric reading of the object, inferring from this analysis a shade of the object. Jung further teaches the method of analyzing a set of sampled wavelengths in different areas for establishing a plurality of spectrometric readings corresponding to the different areas (par. 18-19, 97 and 170-17). Jung further teaches using the spectrometric readings for defining the shade of a material subsequently added to the object (par 244). Jung does not specifically teach identifying an average spectrometric reading from the set of spectrometric readings and allowing the user to perform a spatial selection of the object

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represented on the screen, means being provided for expressing this spatial selection as a selection of sampling points from light sampling performed on these points specifically positioned in this spatial selection and for calculating the global shade from light samplings performed on these points and the plurality of points describes at least one segment orientated longitudinally to the tooth and further describes a segment is substantially aligned with the gum. Lehmann teaches an average reading from a set of readings and allowing the user to perform a spatial selection of the object represented of the screen (as illustrated in fig. 6), means being provided for expressing this spatial selection as a selection of sampling points from light sampling performed on these points specifically positioned in this spatial selection and for calculating the global shade from light samplings performed on these points (col. 3, II. 5-16, col. 9, II. 21-40) and the plurality of points describes at least one segment orientated longitudinally to the tooth and further describes a segment is substantially aligned with the gum as illustrated in fig. 6. It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Jung in view of Lehmann in order to optimize the color determining results to reproduce an optimum color reproduction.

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Response to Arguments

7. Applicant's arguments with respect to claims 1-14 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Heidi M. Eide whose telephone number is (571)270-3081. The examiner can normally be reached on Mon-Thurs.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cris Rodriguez can be reached on 571-272-4964. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Heidi Eide Examiner Art Unit 3732 /John J Wilson/ Primary Examiner Art Unit 3732

/Heidi M Eide/ Examiner, Art Unit 3732

10/4/2008